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Application No. 10/578,312
Amendment dated December 5, 2007
Reply to Office Action of August 8, 2007

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Docket No.: 80640(302753)

AMENDMENTS TO THE SPECIFICATION

On page 1, line 5, please insert the subtitle as follows:

--BACKGROUND OF THE INVENTION--

On page 1, line 6, please amend the subtitle as follows:

--TECHNICAL FIELD OF THE INVENTION--

On page 1, line 15, please amend the subtitle as follows:

--BACKGROUND DESCRIPTION OF THE RELATED ART--

On page 3, line 33, please remove the subtitle as follows:

--MEANS FOR SOLVING PROBLEM--

On page 4, line 1, please amend paragraph [0010] as follows:

--[0010] To solve the above problems and to achieve the object, a conductive-contact holder ~~according to claim 1~~ accommodates at least a signal conductive-contact that is a conductive contact for performing input and output of a signal for a predetermined circuit configuration and a ground conductive-contact that is a conductive contact for supplying a ground potential to the predetermined circuit configuration. The conductive-contact holder includes a holder base that is formed of a conductive material, including a first opening for accommodating the signal conductive-contact, and a second opening for accommodating the ground conductive-contact while maintaining an electrical connection with the ground conductive-contact; and an insulating member that covers an inner surface of the first opening.--

On page 4, line 16, please amend paragraph [0011] as follows:

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--[0011] According to the invention of ~~claim 1~~, because the ground conductive-contact and the holder base are electrically connected, a stable ground potential can be supplied to the predetermined circuit configuration.--

On page 4, line 20, please amend paragraph [0012] as follows:

--[0012] The conductive-contact holder ~~according to claim 2~~ may further includes include a conductive pipe member disposed in the first opening so that an inner surface of the conductive pipe member is in contact with the ground conductive-contact.--

On page 4, line 25, please amend paragraph [0013] as follows:

--[0013] A conductive-contact holder ~~according to claim 3~~ accommodates at least a signal conductive-contact that is a conductive contact for performing input and output of a signal for a predetermined circuit configuration. The conductive-contact holder includes a holder base that includes an opening for accommodating the signal conductive-contact; and an impedance correcting member that is formed of a dielectric material and is formed to be positioned along an outer periphery of the signal conductive-contact while the signal conductive-contact is accommodated in the opening, and that corrects an intrinsic impedance of the signal conductive-contact.--

On page 5, line 4, please amend paragraph [0014] as follows:

--[0014] According to the invention of ~~claim 3~~, because the impedance correcting member that corrects the intrinsic impedance of the signal conductive-contact is provided, a value of the intrinsic impedance can be corrected without changing a structure of the signal conductive-contact.--

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On page 5, line 9, please amend paragraph [0015] as follows:

--[0015] In the conductive-contact holder according to ~~claim 4~~ the invention, the signal conductive-contact is in a cylindrical shape with a predetermined outer diameter, and the impedance correcting member is in a tubular shape and coaxial with the signal conductive-contact, and corrects the intrinsic impedance by adjusting an outer diameter of the tubular shape and the dielectric constant of the dielectric material.--

On page 5, line 17, please amend paragraph [0016] as follows:

--[0016] In the conductive-contact holder according to ~~claim 5~~ the invention, the holder base is electrically conductive.--

On page 5, line 19, please amend paragraph [0017] as follows:

--[0017] In the conductive-contact holder according to ~~claim 6~~ the invention, the holder base is formed of a material conforming to a thermal expansion coefficient of the predetermined circuit configuration.--

On page 5, line 23, please amend paragraph [0018] as follows:

--[0018] In the conductive-contact holder according to ~~claim 7~~ the invention, the holder base further includes a third opening for accommodating a power-supply conductive-contact that supplies a power to the predetermined circuit configuration; and an insulating member that covers an inner surface of the third opening.--

On page 5, line 29, please amend paragraph [0019] as follows:

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--[0019] In the conductive-contact holder according to ~~claim 8~~ the invention, the holder base further includes a first substrate that is formed of a conductive material, including a fourth opening corresponding to the first opening, and a fifth opening corresponding to the second opening; and a second substrate that is formed of a conductive material, including a sixth opening corresponding to the first opening, and a seventh opening corresponding to the second opening. The second substrate is fixed to the first substrate so that the sixth opening communicates with the fourth opening and the seventh opening communicates with the fifth opening. The insulating member includes a first insulating pipe member inserted into the fourth opening; and a second insulating pipe member inserted into the sixth opening.--

On page 6, line 11, please amend paragraph [0020] as follows:

--[0020] In the conductive-contact holder according to ~~claim 9~~ the invention, the first insulating pipe member includes an anti-slip flange formed in one end thereof, the second insulating pipe member includes an anti-slip flange formed in one end thereof, and the first insulating pipe member is inserted into the fourth opening and the second insulating pipe member is inserted into the sixth opening so that the anti-slip flanges are positioned on the side of a boundary between the first substrate and the second substrate.--

On page 6, line 20, please amend paragraph [0021] as follows:

--[0021] The conductive-contact holder according to ~~claim 10~~ the invention may further ~~includes~~ include a first conductive pipe member that includes an anti-slip flange formed in one end thereof, and is inserted into the fifth opening so that the anti-slip flange is positioned on the side of a boundary between the first substrate and the second substrate; and a second conductive pipe member that includes an anti-slip flange formed in one end thereof, and is inserted into the seventh opening so that the anti-slip flange is positioned on the side of the boundary between the first substrate and the second substrate.--

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On page 6, line 31, please amend paragraph [0022] as follows:

--[0022] In the conductive-contact holder according to ~~claim 11~~ the invention, the first conductive pipe member has an outer shape different from that of the first insulating pipe member, and the second conductive pipe member has an outer shape different from that of the second insulating pipe member.--

On page 7, line 4, please amend paragraph [0023] as follows:

--[0023] In the conductive-contact holder according to ~~claim 12~~ the invention, the first conductive pipe member has an outer diameter larger than that of the first insulating pipe member, and the second conductive pipe member has an outer diameter larger than that of the second insulating pipe member.--

On page 7, line 10, please amend paragraph [0024] as follows:

--[0024] In the conductive-contact holder according to ~~claim 13~~ the invention, the anti-slip flange of the first conductive pipe member has an outer diameter larger than that of the anti-slip flange of the first insulating pipe member, and the anti-slip flange of the second conductive pipe member has an outer diameter larger than that of the anti-slip flange of the second insulating pipe member.--

On page 7, line 17, please amend paragraph [0025] as follows:

--[0025] In the conductive-contact holder according to ~~claim 14~~ the invention, the anti-slip flange of the first conductive pipe member has a length in an insertion direction of the

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first conductive pipe member longer than that in an insertion direction of the first insulating pipe member, and the anti-slip flange of the second conductive pipe member has a length in an insertion direction of the second conductive pipe member longer than that in an insertion direction of the second insulating pipe member.--

On page 7, line 26, please amend paragraph [0026] as follows:

--[0026] A conductive-contact unit according to ~~claim 15~~ the invention includes a signal conductive-contact for performing input and output of a signal for a predetermined circuit configuration; a ground conductive-contact for supplying a ground potential to the predetermined circuit configuration; a conductive-contact holder including a holder base that is formed of a conductive material that includes a first opening for accommodating the signal conductive-contact and a second opening for accommodating the ground conductive-contact while maintaining an electrical connection with the ground conductive-contact, and an insulating member that covers an inner surface of the first opening; and a circuit board including a circuit that is electrically connected to at least the signal conductive-contact and generates a signal to be input to the predetermined circuit configuration.--

On page 8, line 9, please amend paragraph [0027] as follows:

--[0027] In the conductive-contact unit according to ~~claim 16~~ the invention, the signal conductive-contact is in a cylindrical shape with a predetermined outer diameter, and the insulating member is in a tubular shape and coaxial with the signal conductive-contact, and corrects an intrinsic impedance of the signal conductive-contact by adjusting an outer diameter of the tubular shape and the dielectric constant of the dielectric material.--

On page 8, line 17, please amend paragraph [0028] as follows:

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--[0028] The conductive-contact unit according to ~~claim 17~~ the invention may further ~~includes~~ include a ground-potential supply unit that supplies a ground potential; and a connecting unit that electrically connects the holder base and the ground-potential supply unit.--

On page 8, line 23, please amend the subtitle as follows:

--EFFECT SUMMARY OF THE INVENTION--

On page 9, line 13, please amend paragraph [0031] as follows:

[0031] ~~{Fig. 1}~~ Fig. 1 is a schematic diagram of an overall structure of a conductive-contact unit according to a first embodiment of the present invention;

~~{Fig. 2}~~ Fig. 2 is a schematic diagram of a detailed structure of a conductive-contact holder and conductive contacts that form the conductive-contact unit according to the first embodiment;

~~{Fig. 3}~~ Fig. 3 is a schematic diagram for explaining an advantage of the conductive-contact unit according to the first embodiment;

~~{Fig. 4}~~ Fig. 4 is a schematic diagram of a modification of the conductive-contact unit according to the first embodiment;

~~{Fig. 5}~~ Fig. 5 is a schematic diagram of another modification of the conductive-contact unit according to the first embodiment;

~~{Fig. 6}~~ Fig. 6 is a schematic diagram of still another modification of the conductive-contact unit according to the first embodiment;

~~{Fig. 7}~~ Fig. 7 is a schematic diagram of a partial structure of a conductive-contact unit according to a second embodiment of the present invention;

~~{Fig. 8}~~ Fig. 8 is a schematic diagram of an overall structure of the conductive-contact unit according to the second embodiment;

~~{Fig. 9}~~ Fig. 9 is a schematic diagram of a structure of a conductive-contact unit according to a third embodiment of the present invention;

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~~{Fig. 10}~~ Fig. 10 is a schematic diagram of a modification of the conductive-contact unit according to the third embodiment;

~~{Fig. 11}~~ Fig. 11 is a schematic diagram of another modification of the conductive-contact unit according to the third embodiment;

~~{Fig. 12}~~ Fig. 12 is a schematic diagram of still another modification of the conductive-contact unit according to the third embodiment;

~~{Fig. 13}~~ Fig. 13 is a schematic diagram of still another modification of the conductive-contact unit according to the third embodiment; and

~~{Fig. 14}~~ Fig. 14 is a schematic diagram of still another modification of the conductive-contact unit according to the third embodiment.--

On page 11, line 31, please amend the subtitle as follows:

~~--BEST MODE(S) FOR CARRYING OUT THE INVENTION DETAILED~~
DESCRIPTION OF EXEMPLARY EMBODIMENTS--